This script is meant to verify the salary of a potential employee in his/ her previous company. We will use support vector regression model to learn from the position salary dataset of the potential employee's previous company and predict whether the potential employee earned 150k salary as a regional manager

1. Import the dataset

```
dataset = read.csv('Position_Salaries.csv')
dataset = dataset[2:3]
```

2. Fit Decision Tree regression to the dataset

```
library(rpart)
regressor = rpart(formula = Salary ~ .,
                  data = dataset,
                  control = rpart.control(minsplit = 1))
```

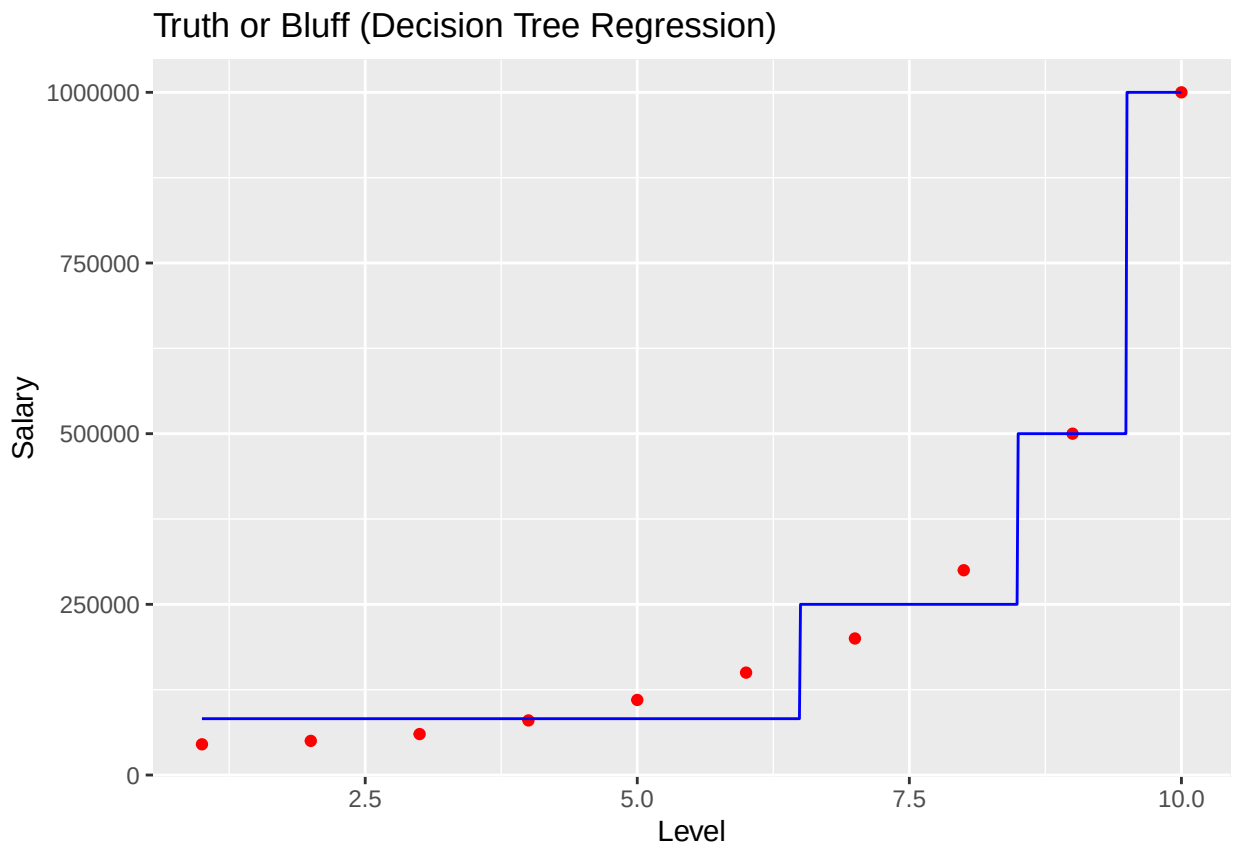
3. Predict a new result

```
y_pred = predict(regressor, data.frame(Level = 6.5))
y_pred
```

```
##      1
## 250000
```

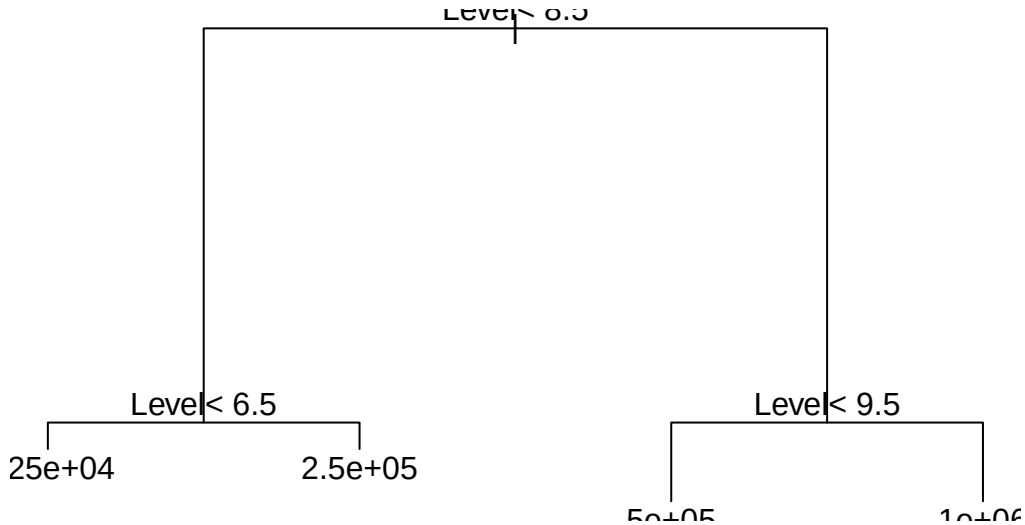
4. Visualization of the Decision Tree Regression results

```
library(ggplot2)

x_grid = seq(min(dataset$Level), max(dataset$Level), 0.01)

ggplot() +
        geom_point(aes(x = dataset$Level, y = dataset$Salary), colour = 'red') +
        geom_line(aes(x = x_grid, y = predict(regressor, newdata = data.frame(Level = x_grid))),
                  colour = 'blue') +
        ggtitle('Truth or Bluff (Decision Tree Regression)') +
        xlab('Level') + ylab('Salary')
```



5. Plotting the tree

```
plot(regressor)
text(regressor)
```



6. Result

This model predicts the salary of the employee to be 250k, not as accurate as python's decision tree regression model.